

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>53</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0999_01_s_2013_53				
Comment Code					
Inspector Comment					
The LMA has copy of the O & M manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>54</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0999_01_s_2013_54				
Comment Code					
Inspector Comment					
The LMA has adequate floodfight supplies and equipment on hand.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	0.00	Rating **	A	Issue No.	55		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0999_01_s_2013_55						
Comment Code							
Inspector Comment							
The LMA is prepared for responding to floods and has received training.							

No Photos

LM Start	0.00	Rating **	M	Issue No.	32
LM End	13.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.505070 °	38.312917 °
				-121.582033 °	-121.644955 °
DWR ID	DWR_RD0999_01_s_2017_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_32\_20170516\_00102.jpg



Landside vegetation looking north(Spring 2017)

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>13.86</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_32\_20170516\_00103.jpg



Landside vegetation looking south(Spring 2017)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	0.00	Rating **	M	Issue No.	34
LM End	13.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.505070 °	38.312917 °
				-121.582033 °	-121.644955 °
DWR ID	DWR_RD0999_01_s_2017_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_34\_20170516\_00104.jpg



Waterside vegetation looking west(Spring 2017)

LM Start	0.27	Rating **	M	Issue No.	3	
LM End	0.27	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.501113 °		38.501113 °
				-121.581975 °		-121.581975 °
DWR ID	DWR_RD0999_01_s_2012_3					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						

No Photos

LM Start	1.33	Rating **	C	Issue No.	65	
LM End	1.33	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.485772 °		38.485772 °
				-121.581182 °		-121.581182 °
DWR ID	DWR_RD0999_01_s_2016_65					
Comment Code						
GA : Garbage						
Inspector Comment						
Garbage and prunings on waterward shoulder.						

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.71	Rating **	M	Issue No.	37
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.480308 °	38.479740 °
				-121.580876 °	-121.580842 °
DWR ID	DWR_RD0999_01_f_2016_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.73	Rating **	U	Issue No.	919
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °
				-121.580844 °	-121.580844 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50092 DS_ID:22743 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off of the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966 (LM 1.73)]. FS Date: 7/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50092\_25191.jpg



Pipe open on WS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.73	Rating **	U	Issue No.	919 (cont)
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °
				-121.580844 °	-121.580844 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:50092  
DS\_ID:22743  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP)  
06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 30-inch steel pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off of the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966 (LM 1.73)].  
FS Date: 7/7/2016

LM Start	<b>1.73</b>	Rating **	U	Issue No.	<b>919 (cont)</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50092\_25190.jpg



Pump platform visible off LS toe, but no appurtenances remain.

Photo 3 of 3 : UCIP\_SP\_2017\_50092\_25189.jpg



Pump platform visible off LS toe, but no appurtenances remain.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.73	Rating **	M	Issue No.	4
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.480082 °	38.479788 °
				-121.580930 °	-121.580918 °
DWR ID	DWR_RD0999_01_s_2012_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

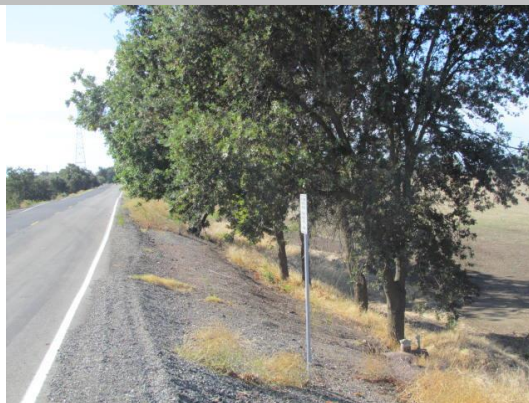
Photo 1 of 2 : SP\_2017\_RD0999\_232\_4\_20170314\_00011.jpg



Looking northwest at trimmed trees on waterward slope.

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.75</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_4\_20170314\_00012.jpg



Looking southwest at trimmed trees on waterward slope.

LM Start	1.73	Rating **	C	Issue No.	66
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.480009 °	38.480009 °
				-121.580865 °	-121.580865 °
DWR ID	DWR_RD0999_01_s_2016_66				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on waterward slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.79	Rating **	U	Issue No.	30
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.475463 °
				-121.580640 °	-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_30\_20170314\_00028.jpg



Looking southeast at dense trees on landward slope. (Fall 2016)

LM Start	<b>1.79</b>	Rating **	U	Issue No.	<b>30 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_30\_20170314\_00029.jpg



Looking southeast at dense trees on landward slope. (Spring 2016)

LM Start	2.13	Rating **	U	Issue No.	7
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.474258 °	38.474258 °
				-121.580528 °	-121.580528 °
DWR ID	DWR_RD0999_01_s_2012_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_7\_20170314\_00015.jpg



Looking north at untrimmed trees on waterward slope. ( Fall 2016)

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.13	Rating **	U	Issue No.	7 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.474258 °		38.474258 °
				-121.580528 °		-121.580528 °
DWR ID	DWR_RD0999_01_s_2012_7					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_7\_20170314\_00016.jpg



Looking south at untrimmed trees on waterward slope. (Spring 2016)

LM Start	2.13	Rating **	U	Issue No.	31
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.474200 °	38.474200 °
				-121.580480 °	-121.580480 °
DWR ID	DWR_RD0999_01_s_2012_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_31\_20170314\_00030.jpg



Looking north at untrimmed trees on landward slope. ( Fall 2016)

LM Start	<b>2.13</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_31\_20170314\_00031.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.18	Rating **	M	Issue No.	8
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.473542 °	38.473417 °
				-121.580793 °	-121.580885 °
DWR ID	DWR_RD0999_01_s_2012_8				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_8\_20170314\_00017.jpg



Looking southwest at trimmed trees on waterside slope. (Spring 2012)

LM Start	2.51	Rating **	M	Issue No.	40
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.469048 °	38.469048 °
				-121.583075 °	-121.583075 °
DWR ID	DWR_RD0999_01_s_2012_40				
Comment Code					
MA : Material					
Inspector Comment					
Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00037.jpg



Looking south at trench along landward shoulder. (spring 2016)

LM Start	<b>2.51</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.51</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00038.jpg



Looking south at excavation on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.51	Rating **	M	Issue No.	40 (cont)	
LM End	2.51	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.469048 °	38.469048 °	
				-121.583075 °	-121.583075 °	
DWR ID	DWR_RD0999_01_s_2012_40					
Comment Code						
MA : Material						
Inspector Comment						
Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.						

Photo 3 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00039.jpg



Looking south at close-up view of excavation on landside shoulder.

LM Start	<b>2.51</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.51</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00040.jpg



Looking north at excavation on landside shoulder.

LM Start	2.53	Rating **	M	Issue No.	46
LM End	4.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.468801 °	38.435378 °
				-121.583189 °	-121.598664 °
DWR ID	DWR_RD0999_01_f_2013_46				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Control growth on levee crown and repair ruts on levee crown. And add appropriate gravel or road base.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_46\_20170314\_00047.jpg



Looking south at growth on levee crown.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	3.22	Rating **	M	Issue No.	51
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.459399 °	38.459399 °
				-121.587523 °	-121.587523 °
DWR ID	DWR_RD0999_01_s_2013_51				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_51\_20170314\_00058.jpg



Looking northeast at depression on landward slope. (Fall 2016)

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_51\_20170314\_00059.jpg



Looking north at depression on landside shoulder and slope. (Spring 2016)

LM Start	4.07	Rating **	A/W	Issue No.	11
LM End	4.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.447772 °	38.447772 °
				-121.592912 °	-121.592912 °
DWR ID	DWR_RD0999_01_s_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.16	Rating **	N	Issue No.	14
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446619 °	38.446619 °
				-121.593442 °	-121.593442 °
DWR ID	DWR_RD0999_01_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.17	Rating **	N	Issue No.	15
LM End	4.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446478 °	38.446478 °
				-121.593508 °	-121.593508 °
DWR ID	DWR_RD0999_01_s_2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.31	Rating **	M	Issue No.	35
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444561 °	38.444561 °
				-121.594438 °	-121.594438 °
DWR ID	DWR_RD0999_01_f_2012_35				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Depression is caused by vehicle traffic.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_35\_20170314\_00032.jpg



Looking southeast at slope damage cause by vehicle traffic on landward slope. (Fall 2016)

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_35\_20170314\_00033.jpg



Looking southeast at slope damage cause by vehicle traffic on landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.57	Rating **	N	Issue No.	16
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.441063 °	38.441063 °
				-121.596038 °	-121.596038 °
DWR ID	DWR_RD0999_01_s_2012_16				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.59	Rating **	N	Issue No.	17
LM End	4.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.440748 °	38.440748 °
				-121.596187 °	-121.596187 °
DWR ID	DWR_RD0999_01_s_2012_17				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.83	Rating **	M	Issue No.	5
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.437506 °	38.437296 °
				-121.597707 °	-121.597803 °
DWR ID	DWR_RD0999_01_s_2016_5				
Comment Code					
Inspector Comment					
2006 - Slump failure of lower slope. Longitudinal cracks present along the levee slope. 2011 - Difficult to see due to overgrown vegetation. A small section of the levee has slumped. Sties DWS 5.0 and DWS 5.01 were combined. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DWS_5-0_L]					

No Photos

LM Start	5.19	Rating **	U	Issue No.	59
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.432548 °	38.432434 °
				-121.600031 °	-121.600085 °
DWR ID	DWR_RD0999_01_s_2017_59				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Appears to be a rotational slip on landside.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_59\_20170516\_00106.jpg



View of rotation slip looking south (Spring 2017)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	6.45	Rating **	C	Issue No.	52
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415408 °	38.415408 °
				-121.608002 °	-121.608002 °
DWR ID	DWR_RD0999_01_s_2013_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limbs on landside slope.					

No Photos

LM Start	6.56	Rating **	M	Issue No.	42
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.413858 °	38.413858 °
				-121.608638 °	-121.608638 °
DWR ID	DWR_RD0999_01_s_2012_42				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
More than five holes within 25' of levee.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_42\_20170314\_00043.jpg



Looking east at rodent holes on landside slope.

LM Start	<b>6.56</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>6.56</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_42\_20170314\_00044.jpg



Looking at typical rodent hole on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	6.56	Rating **	M	Issue No.	41
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413856 °	38.413475 °
				-121.608635 °	-121.608817 °
DWR ID	DWR_RD0999_01_s_2016_41				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning piles on landward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_41\_20170314\_00041.jpg



Looking east at prunings at landward toe and berm. (Fall 2016)

LM Start	<b>6.56</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>6.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_41\_20170314\_00042.jpg



Looking east at prunings on landward toe and berm. (Spring 2016)

LM Start	6.77	Rating **	M	Issue No.	22
LM End	9.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.411031 °	38.371621 °
				-121.609960 °	-121.628232 °
DWR ID	DWR_RD0999_01_s_2012_22				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Also control growth on levee crown.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_22\_20170314\_00019.jpg



Looking south at levee crown. (Spring 2016)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	6.77	Rating **	M	Issue No.	22 (cont)
LM End	9.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.411031 °	38.371621 °
				-121.609960 °	-121.628232 °
DWR ID	DWR_RD0999_01_s_2012_22				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Also control growth on levee crown.					

Photo 2 of 2 : SP\_2017\_RD0999\_232\_22\_20170314\_00020.jpg



Looking south at levee crown. (Spring 2015)

LM Start	7.61	Rating **	U	Issue No.	58
LM End	7.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.399600 °	38.399600 °
				-121.615224 °	-121.615224 °
DWR ID	DWR_RD0999_01_f_2016_58				
Comment Code					
Inspector Comment					
Depression 10' by 20' on landward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_58\_20170314\_00062.jpg



LM Start	<b>7.61</b>	Rating **	U	Issue No.	<b>58 (cont)</b>
LM End	<b>7.61</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_58\_20170314\_00063.jpg



Looking northeast at depression on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.51	Rating **	M	Issue No.	47
LM End	9.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.373740 °	38.373740 °
				-121.627257 °	-121.627257 °
DWR ID	DWR_RD0999_01_f_2015_47				
Comment Code					
PI : Pipe					
Inspector Comment					
Abandoned pipes at waterward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_47\_20170314\_00048.jpg



Looking southwest at abandoned irrigation pipes at waterward toe.

LM Start	9.95	Rating **	U	Issue No.	2
LM End	9.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.367750 °	38.367750 °
				-121.630025 °	-121.630025 °
DWR ID	DWR_RD0999_01_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes on landward shoulder.					

Photo 1 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00006.jpg



Looking southeast at large rodent hole on landward shoulder. (Spring 2016)

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00007.jpg



Looking southeast at rodent holes on landward shoulder fall 2015.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.95	Rating **	U	Issue No.	2 (cont)	
LM End	9.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.367750 °		38.367750 °
				-121.630025 °		-121.630025 °
DWR ID	DWR_RD0999_01_s_2012_2					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Several large rodent holes on landward shoulder.						

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00008.jpg



Looking northeast at rodent holes on landward shoulder fall 2015.

Photo 4 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00009.jpg



Looking at typical rodent holes on landward shoulder. (Spring 2015)

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00010.jpg



Looking south at rodent hole on landside shoulder. (Fall 2014)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.21	Rating **	M	Issue No.	70
LM End	10.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.364229 °	38.364229 °
				-121.631673 °	-121.631673 °
DWR ID	DWR_RD0999_01_s_2016_70				
Comment Code					
Inspector Comment					
Gate drags difficult to open and close. Gate pole leaning.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00077.jpg

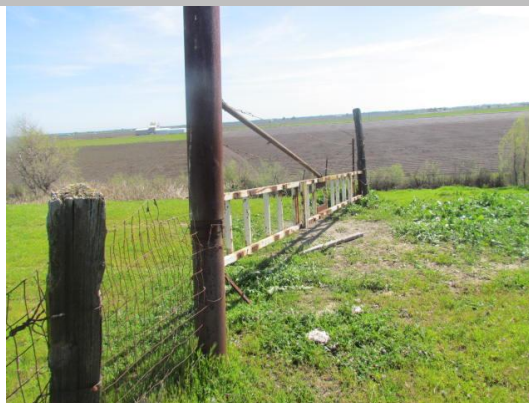
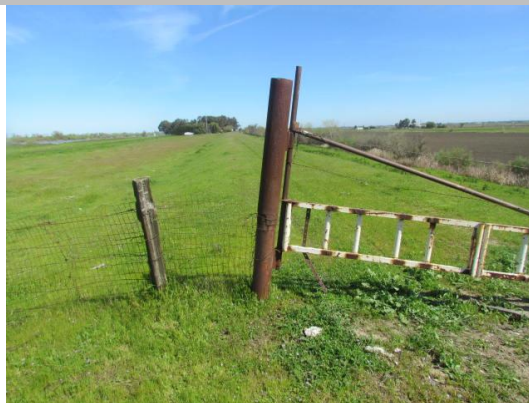


Photo 2 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00078.jpg



Looking south at fence pole.

Photo 3 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00079.jpg



LM Start	10.21	Rating **	M	Issue No.	70 (cont)
LM End	10.21	Issue Type +	Ma	Location *	CR

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.21	Rating **	M	Issue No.	70 (cont)	
LM End	10.21	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Repair Gates			38.364229 °	38.364229 °	
				-121.631673 °	-121.631673 °	
DWR ID	DWR_RD0999_01_s_2016_70					
Comment Code						
Inspector Comment						
Gate drags difficult to open and close. Gate pole leaning.						

Photo 4 of 4 : SP\_2017\_RD0999\_232\_70\_20170516\_00111.jpg



Gate was difficult to open (Spring 2017)

LM Start	10.21	Rating **	M	Issue No.	72
LM End	10.82	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.364229 °	38.355939 °
				-121.631673 °	-121.635524 °
DWR ID	DWR_RD0999_01_s_2017_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.75	Rating **	M	Issue No.	61
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.356844 °	38.356844 °
				-121.635101 °	-121.635101 °
DWR ID	DWR_RD0999_01_f_2014_61				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree on waterward slope					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_61\_20170314\_00064.jpg



Looking southwest at downed tree on waterward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.75	Rating **	M	Issue No.	61 (cont)	
LM End	10.75	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.356844 °		38.356844 °
				-121.635101 °		-121.635101 °
DWR ID	DWR_RD0999_01_f_2014_61					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Downed tree on waterward slope						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_61\_20170516\_00112.jpg



Looking northwest at downed tree on waterside slope (Spring 2017)

LM Start	10.81	Rating **	M	Issue No.	23
LM End	11.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356077 °	38.352640 °
				-121.635598 °	-121.637078 °
DWR ID	DWR_RD0999_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_23\_20170314\_00021.jpg



Looking south at trimmed pine trees on waterside shoulder and slope. (Spring 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.81	Rating **	M	Issue No.	23 (cont)	
LM End	11.06	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.356077 °		38.352640 °
				-121.635598 °		-121.637078 °
DWR ID	DWR_RD0999_01_s_2012_23					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_23\_20170314\_00022.jpg



Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm). (Spring 2011)

LM Start	11.28	Rating **	M	Issue No.	73
LM End	11.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.349616 °	38.345448 °
				-121.638435 °	-121.640394 °
DWR ID	DWR_RD0999_01_s_2017_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	11.30	Rating **	M	Issue No.	43
LM End	11.66	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.349380 °	38.344455 °
				-121.638540 °	-121.640845 °
DWR ID	DWR_RD0999_01_s_2012_43				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_43\_20170314\_00045.jpg



Looking north at growth on levee crown.

LM Start	11.63	Rating **	U	Issue No.	36
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344815 °	38.339193 °
				-121.640697 °	-121.643017 °
DWR ID	DWR_RD0999_01_s_2017_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense weeds at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_36\_20170516\_00113.jpg



Dense vegetation at landside levee toe.

LM Start	11.84	Rating **	M	Issue No.	48
LM End	11.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.342068 °	38.342068 °
				-121.641944 °	-121.641944 °
DWR ID	DWR_RD0999_01_f_2012_48				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicle traffic.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_48\_20170314\_00049.jpg



Looking southwest at slope damage caused by vehicle traffic. 2013

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	11.84	Rating **	M	Issue No.	48 (cont)	
LM End	11.84	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.342068 °		38.342068 °
				-121.641944 °		-121.641944 °
DWR ID	DWR_RD0999_01_f_2012_48					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Slope damage caused by vehicle traffic.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_48\_20170314\_00050.jpg



Looking southwest at slope damage caused by vehicle traffic on waterside slope.

LM Start	12.07	Rating **	C	Issue No.	19
LM End	12.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.338753 °	38.331138 °
				-121.643157 °	-121.644781 °
DWR ID	DWR_RD0999_01_f_2014_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	12.53	Rating **	C	Issue No.	21
LM End	12.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.332288 °	38.331247 °
				-121.644640 °	-121.644765 °
DWR ID	DWR_RD0999_01_s_2012_21				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Ruts have been fixed, but need to add appropriate gravel or road base.					

No Photos

LM Start	12.93	Rating **	C	Issue No.	24
LM End	13.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.326433 °	38.317400 °
				-121.644960 °	-121.644920 °
DWR ID	DWR_RD0999_01_s_2012_24				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	13.75	Rating **	C	Issue No.	68
LM End	15.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.314575 °	38.293858 °
				-121.644955 °	-121.644956 °
DWR ID	DWR_RD0999_01_s_2016_68				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair rutting and add appropriate gravel or road base. And control vegetation on levee crown.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	14.04	Rating **	M	Issue No.	49
LM End	14.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.310347 °	38.310347 °
				-121.644955 °	-121.644955 °
DWR ID	DWR_RD0999_01_f_2012_49				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Caving, 4' x 10', on landside slope.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00051.jpg



Looking southeast at caving on landward slope fall 2015.

LM Start	<b>14.04</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>14.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00052.jpg



Looking east at caving on landward shoulder and slope. (Spring 2015)

LM Start	<b>14.04</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>14.04</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00053.jpg



Looking east caving on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	14.04	Rating **	M	Issue No.	49 (cont)	
LM End	14.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.310347 °	38.310347 °	
				-121.644955 °	-121.644955 °	
DWR ID	DWR_RD0999_01_f_2012_49					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Caving, 4' x 10', on landside slope.						

Photo 4 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00054.jpg



Looking southeast at caving on landside slope.

LM Start	15.24	Rating **	A/W	Issue No.	925
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.293005 °	38.293005 °
				-121.644974 °	-121.644974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15366 DS_ID:22757 EP_NO: 14199 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the levee 6.3 feet below the crown. Pumphouse on LS toe with a siphon breaker in a steel riser on WS shoulder (Permit No. 14199, 1985). FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15366\_25231.jpg



Pump in pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	925 (cont)
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.293005 °	38.293005 °
				-121.644974 °	-121.644974 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:15366  
DS\_ID:22757  
EP\_NO: 14199  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch steel discharge pipe through the levee 6.3 feet below the crown. Pumphouse on LS toe with a siphon breaker in a steel riser on WS shoulder (Permit No. 14199, 1985).  
FS Date: 6/25/2013

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>925 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15366\_25230.jpg



siphon breaker in steel riser on WS shoulder

Photo 3 of 3 : UCIP\_SP\_2017\_15366\_25229.jpg



Closeup of 24-inch pipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	926
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15365 DS_ID:22756 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch pipe through the levee 7.0 feet below the crown. Flap gate on waterward end. Pump in pump house on landward toe. Siphon breaker in CMP riser on WS shoulder. Originally included in the 1966 O&M manual. FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15365\_25227.jpg



Pumphouse on LS toe.

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>926 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15365\_25226.jpg



Siphon breaker in CMP riser on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	926 (cont)
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15365 DS_ID:22756 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch pipe through the levee 7.0 feet below the crown. Flap gate on waterward end. Pump in pump house on landward toe. Siphon breaker in CMP riser on WS shoulder. Originally included in the 1966 O&M manual. FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15365\_25225.jpg



Closeup of pipe at pumphouse on LS toe.

LM Start	15.24	Rating **	A/W	Issue No.	927
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292943 °	38.292943 °
				-121.644980 °	-121.644980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15363 DS_ID:22755 EP_NO: 15303 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel discharge pipe through the levee 7.0 feet below the crown. Pump on platform on landward toe, siphon breaker in CMP riser on waterward shoulder (Permit No. 15303, 1989). FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15363\_25219.jpg



Pump platform to right of pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	927 (cont)
LM End	15.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292943 °	38.292943 °
				-121.644980 °	-121.644980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15363 DS_ID:22755 EP_NO: 15303 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel discharge pipe through the levee 7.0 feet below the crown. Pump on platform on landward toe, siphon breaker in CMP riser on waterward shoulder (Permit No. 15303, 1989). FS Date: 6/25/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_15363\_25218.jpg



Siphon breaker in CMP riser on WS shoulder.

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>927 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_15363\_25217.jpg



Pump and platform on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.26	Rating **	U	Issue No.	44
LM End	15.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292702 °	38.292702 °
				-121.644967 °	-121.644967 °
DWR ID	DWR_RD0999_01_s_2016_44				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Unauthorized palm trees on landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_44\_20170314\_00046.jpg



Looking east at palm trees on landward slope next to ramp.

LM Start	15.26	Rating **	U	Issue No.	44 (cont)
LM End	15.26	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_44\_20170516\_00116.jpg



LM Start	15.27	Rating **	C	Issue No.	33
LM End	15.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292544 °	38.292544 °
				-121.644960 °	-121.644960 °
DWR ID	DWR_RD0999_01_s_2012_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.30	Rating **	M	Issue No.	62
LM End	15.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292030 °	38.292030 °
				-121.644971 °	-121.644971 °
DWR ID	DWR_RD0999_01_f_2014_62				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>2.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.290422 °	38.286590 °	
			-121.644887 °	-121.606332 °	
DWR ID	DWR_RD0999_02_s_2017_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>2.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.290422 °	38.286590 °	
			-121.644887 °	-121.606332 °	
DWR ID	DWR_RD0999_02_s_2017_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.18	Rating **	A/W	Issue No.	25
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290866 °	38.290866 °
				-121.641650 °	-121.641650 °
DWR ID	DWR_RD0999_02_f_2013_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.23	Rating **	M	Issue No.	12
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290787 °	38.290787 °
				-121.640725 °	-121.640725 °
DWR ID	DWR_RD0999_02_s_2012_12				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	A/W	Issue No.	43
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291440 °	38.291440 °
				-121.635411 °	-121.635411 °
DWR ID	DWR_RD0999_02_f_2015_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	44
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292689 °	38.292689 °
				-121.632730 °	-121.632730 °
DWR ID	DWR_RD0999_02_f_2015_44				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	U	Issue No.	37
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292783 °	38.292783 °
				-121.632317 °	-121.632317 °
DWR ID	DWR_RD0999_02_s_2014_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_37\_20170314\_00029.jpg



Looking at untrimmed tree on landward slope and toe. (Fall 2016)

LM Start	<b>0.73</b>	Rating **	U	Issue No.	<b>37 (cont)</b>
LM End	<b>0.73</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_37\_20170314\_00030.jpg



Looking at untrimmed tree on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.76	Rating **	M	Issue No.	26
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292668 °	38.292613 °
				-121.631755 °	-121.631542 °
DWR ID	DWR_RD0999_02_f_2013_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	U	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292439 °	38.292439 °
				-121.630781 °	-121.630781 °
DWR ID	DWR_RD0999_02_f_2012_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Century plant on landside slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_14\_20170314\_00015.jpg



Looking north at century plant at landward toe fall 2015.

LM Start	<b>0.82</b>	Rating **	U	Issue No.	<b>14 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_14\_20170314\_00016.jpg



Looking north at century plant at landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.83	Rating **	U	Issue No.	19
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292386 °	38.292386 °
				-121.630543 °	-121.630543 °
DWR ID	DWR_RD0999_02_f_2012_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_19\_20170314\_00021.jpg



Looking north at untrimmed trees to be thinned at landward toe fall 2015.

LM Start	<b>0.83</b>	Rating **	U	Issue No.	<b>19 (cont)</b>
LM End	<b>0.83</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_19\_20170314\_00022.jpg



Looking west at dense trees on landside slope and toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



# Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	13
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292352 °	38.292352 °
				-121.630452 °	-121.630452 °
DWR ID	DWR_RD0999_02_s _ 2012_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_13\_20170314\_00014.jpg



Looking northwest at tree limb on landside slope.

LM Start	0.93	Rating **	M	Issue No.	2
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.291823 °	38.291250 °
				-121.628973 °	-121.627285 °
DWR ID	DWR_RD0999_02_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_2\_20170314\_00004.jpg



Looking at several rodent holes on landside slope.

LM Start	0.96	Rating **	U	Issue No.	39
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291603 °	38.291292 °
				-121.628485 °	-121.627577 °
DWR ID	DWR_RD0999_02_f_2014_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees along landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_39\_20170314\_00034.jpg



Looking south at untrimmed trees on landward slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.04	Rating **	M	Issue No.	20
LM End	1.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.291206 °	38.290915 °
				-121.627030 °	-121.618227 °
DWR ID	DWR_RD0999_02_f_2012_20				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	A/W	Issue No.	40
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291069 °	38.291069 °
				-121.625138 °	-121.625138 °
DWR ID	DWR_RD0999_02_f_2014_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.78	Rating **	C	Issue No.	42
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289399 °	38.289399 °
				-121.614130 °	-121.614130 °
DWR ID	DWR_RD0999_02_f_2014_42				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry and wildroses blocking landward toe.					

No Photos

LM Start	1.78	Rating **	C	Issue No.	38
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289360 °	38.289006 °
				-121.614086 °	-121.613639 °
DWR ID	DWR_RD0999_02_s_2014_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.80	Rating **	C	Issue No.	6
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289117 °	38.288718 °
				-121.613777 °	-121.612227 °
DWR ID	DWR_RD0999_02_s_2012_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA is maintaining vegetation, but should be monitored.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.93	Rating **	M	Issue No.	16
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288713 °	38.288713 °
				-121.611620 °	-121.611620 °
DWR ID	DWR_RD0999_02_s_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.97	Rating **	M	Issue No.	33
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.288712 °	38.288712 °
				-121.610920 °	-121.610920 °
DWR ID	DWR_RD0999_02_s_2017_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.06	Rating **	U	Issue No.	29
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288870 °	38.288844 °
				-121.609259 °	-121.609008 °
DWR ID	DWR_RD0999_02_f_2013_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_29\_20170314\_00028.jpg



Looking at untrimmed trees on landward slope fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>3.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286637 °	38.332663 °	
			-121.606248 °	-121.584533 °	
DWR ID	DWR_RD0999_03_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>3.74</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.286637 °	38.332663 °	
			-121.606248 °	-121.584533 °	
DWR ID	DWR_RD0999_03_s_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.24	Rating **	U	Issue No.	29
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.289634 °	38.295505 °
				-121.604343 °	-121.605648 °
DWR ID	DWR_RD0999_03_s_2016_29				
Comment Code					
Inspector Comment					
1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015: New slumping, tall vertical sections. [2015 Site ID: STR_24-7_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_29\_20170314\_00024.jpg



USACE 2013 Photo #1

LM Start	0.66	Rating **	U	Issue No.	8
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295618 °	38.295618 °
				-121.605923 °	-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense veg on landward slope.					

Photo 1 of 3 : SP\_2017\_RD0999\_234\_8\_20170324\_00044.jpg



Looking east at dense veg on landward slope. (Spring 2017)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.66	Rating **	U	Issue No.	8 (cont)	
LM End	0.66	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.295618 °		38.295618 °
				-121.605923 °		-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						
Dense veg on landward slope.						

Photo 2 of 3 : SP\_2017\_RD0999\_234\_8\_20170314\_00006.jpg



Looking east at elderberry at landward slope and toe. (Spring 2016)

LM Start	<b>0.66</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_234\_8\_20170314\_00005.jpg



Looking east at brush on landward slope and toe. (Fall 2016)

LM Start	0.93	Rating **	U	Issue No.	43
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.299130 °	38.299362 °
				-121.603768 °	-121.603462 °
DWR ID	DWR_RD0999_03_f_2014_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_43\_20170314\_00028.jpg



Looking at untrimmed trees on landward slope and toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.97	Rating **	M	Issue No.	30
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.299402 °	38.300542 °
				-121.603056 °	-121.601118 °
DWR ID	DWR_RD0999_03_s_2016_30				
Comment Code					
Inspector Comment					
2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2015: No observed changes. [2015 Site ID: STR_25-2_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_30\_20170314\_00025.jpg



USACE 2013 Photo #1

LM Start	1.43	Rating **	M	Issue No.	1
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.305229 °	38.306667 °
				-121.599933 °	-121.598266 °
DWR ID	DWR_RD0999_03_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Toe scour along length of site and erosion pockets. 2012 - Site extended slightly upstream due to new erosion pocket. 2013 - Tall vertical sections at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_25-7_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_1\_20170314\_00001.jpg



USACE 2013 Photo #1

LM Start	1.50	Rating **	M	Issue No.	11
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306062 °	38.306062 °
				-121.599495 °	-121.599495 °
DWR ID	DWR_RD0999_03_s_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_234\_11\_20170314\_00011.jpg



Looking at untrimmed trees on landward slope and toe. (Fall 2016)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	11 (cont)	
LM End	1.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.306062 °		38.306062 °
				-121.599495 °		-121.599495 °
DWR ID	DWR_RD0999_03_s_2012_11					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_234\_11\_20170314\_00012.jpg



Looking at untrimmed trees on landward slope and toe. (Spring 2016)

LM Start	1.53	Rating **	U	Issue No.	12
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306332 °	38.306332 °
				-121.599109 °	-121.599109 °
DWR ID	DWR_RD0999_03_s_2012_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_12\_20170314\_00013.jpg



Looking east at untrimmed trees on landward slope.

LM Start	1.57	Rating **	M	Issue No.	13
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306762 °	38.306948 °
				-121.598541 °	-121.598320 °
DWR ID	DWR_RD0999_03_s_2012_13				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_13\_20170314\_00014.jpg



Looking north at untrimmed trees on landward toe. (Spring 2015)

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.61	Rating **	U	Issue No.	25
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307295 °	38.307295 °
				-121.598202 °	-121.598202 °
DWR ID	DWR_RD0999_03_s_2017_25				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_25\_20170324\_00045.jpg



Looking east at several large pruning piles on waterward slope.

LM Start	1.68	Rating **	M	Issue No.	14
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.308129 °	38.308129 °
				-121.598610 °	-121.598610 °
DWR ID	DWR_RD0999_03_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.96	Rating **	M	Issue No.	20
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.311447 °	38.311447 °
				-121.597358 °	-121.597358 °
DWR ID	DWR_RD0999_03_s _ 2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.20	Rating **	M	Issue No.	40
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313566 °	38.313777 °
				-121.593910 °	-121.593608 °
DWR ID	DWR_RD0999_03_s _ 2015_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.71	Rating **	A/W	Issue No.	41
LM End	2.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320335 °	38.320335 °
				-121.590795 °	-121.590795 °
DWR ID	DWR_RD0999_03_s _ 2015_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.78	Rating **	M	Issue No.	28
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.321244 °	38.323362 °
				-121.590969 °	-121.590208 °
DWR ID	DWR_RD0999_03_s_2012_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	M	Issue No.	21
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.322457 °	38.323042 °
				-121.590693 °	-121.590209 °
DWR ID	DWR_RD0999_03_s_2016_21				
Comment Code					
Inspector Comment					
2012 - Slumping of upper levee slope. 2015: No observed changes. [2015 Site ID: STR_27-1_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_21\_20170314\_00018.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.88	Rating **	U	Issue No.	10
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322757 °	38.322757 °
				-121.590817 °	-121.590817 °
DWR ID	DWR_RD0999_03_f_2012_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Wild growth at landside slope and toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00007.jpg

Looking northwest at dense vegetation on landward slope and toe.  
(Spring 2016)

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00008.jpg



Looking west at trimmed trees at landward toe. (Fall 2014)

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00009.jpg



Looking west at dense trees on landside toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.88	Rating **	U	Issue No.	10 (cont)	
LM End	2.88	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.322757 °		38.322757 °
				-121.590817 °		-121.590817 °
DWR ID	DWR_RD0999_03_f_2012_10					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Wild growth at landside slope and toe.						

Photo 4 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00010.jpg



Looking northwest at dense vegetation at landside slope and toe.

LM Start	3.01	Rating **	U	Issue No.	31
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323770 °	38.326061 °
				-121.589035 °	-121.586028 °
DWR ID	DWR_RD0999_03_s_2012_31				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_234\_31\_20170314\_00026.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2016)

LM Start	<b>3.01</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>3.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_234\_31\_20170314\_00027.jpg



Looking north at trimmed trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	3.05	Rating **	M	Issue No.	5
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.323667 °	38.325592 °
				-121.588226 °	-121.585925 °
DWR ID	DWR_RD0999_03_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015: New tree popout and significant new erosion. [2015 Site ID: STR_27-3_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_5\_20170314\_00004.jpg



USACE 2013 Photo #1

LM Start	3.21	Rating **	A/W	Issue No.	19
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.325534 °	38.325534 °
				-121.586273 °	-121.586273 °
DWR ID	DWR_RD0999_03_s_2012_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.49	Rating **	A/W	Issue No.	49
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.329452 °	38.329452 °
				-121.586560 °	-121.586560 °
DWR ID	DWR_RD0999_03_f_2015_49				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	3.56	Rating **	A/W	Issue No.	50
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330326 °	38.330994 °
				-121.586222 °	-121.585908 °
DWR ID	DWR_RD0999_03_f_2015_50				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.60	Rating **	M	Issue No.	44
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330946 °	38.331415 °
				-121.585932 °	-121.585534 °
DWR ID	DWR_RD0999_03_s_2015_44				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than four inches in diameter at chest height. Don't allow young trees to get establish on levee slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_44\_20170314\_00029.jpg



Looking southwest at typical view of young oak trees on landward slope.  
(Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	4.56	Rating **	M	Issue No.	18
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0999_03_s_2016_18				
Comment Code					
Inspector Comment					
2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015: Erosion pockets covered with plastic. [2015 Site ID: STR_26-5_L]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_18\_20170314\_00017.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	49
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.414022 °	38.414022 °
				-121.522986 °	-121.522986 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:15708  
DS\_ID:22788  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 5'x5' concrete culvert through the levee 30.0 feet below the crown. Slide gate in 6'X8' concrete vault on the waterward shoulder. Originally included in the 1966 O&M manual.  
FS Date: 7/12/2013

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>49 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_15708\_26137.jpg



Slide gate in concrete vault on WS shoulder.

Photo 2 of 2 : UCIP\_SP\_2017\_15708\_26136.jpg



Toe of LS at approximate location of outlet/inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.414112°	38.429770°	
			-121.523295°	-121.533145°	
DWR ID	DWR_RD0999_04_s_2017_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.414112°	38.429770°	
			-121.523295°	-121.533145°	
DWR ID	DWR_RD0999_04_s_2017_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.414387 °	38.417692 °
				-121.522871 °	-121.525083 °
DWR ID	DWR_RD0999_04_s_2016_8				
Comment Code					
Inspector Comment					
1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2015: No observed changes. [2015 Site ID: SAC 41-9 R]					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_8\_20170314\_00005.jpg



USACE 2013 Photo #1

LM Start	0.03	Rating **	M	Issue No.	45
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414335 °	38.414335 °
				-121.523348 °	-121.523348 °
DWR ID	DWR_RD0999_04_s_2017_45				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large downed tree on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_45\_20170324\_00073.jpg



Looking west at fallen tree on landward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	35
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414450 °	38.414450 °
				-121.523308 °	-121.523308 °
DWR ID	DWR_RD0999_04_f_2014_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees on landward slope and toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_35\_20170314\_00021.jpg



Looking at untrimmed trees on landward slope.

LM Start	0.11	Rating **	U	Issue No.	15
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.415425 °	38.416733 °
				-121.523920 °	-121.524705 °
DWR ID	DWR_RD0999_04_s_2017_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside erosion 2ft vertical cut.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_15\_20170324\_00074.jpg



Looking downstream at 2ft plus vertical erosion on waterward slope.

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_15\_20170324\_00075.jpg



Looking upstream at 2ft plus vertical erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.19	Rating **	M	Issue No.	24
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.416518 °	38.417519 °
				-121.524502 °	-121.525368 °
DWR ID	DWR_RD0999_04_s_2012_24				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.38	Rating **	M	Issue No.	10
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.418838 °	38.420447 °
				-121.526225 °	-121.527380 °
DWR ID	DWR_RD0999_04_s_2012_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_10\_20170314\_00006.jpg



Looking northwest at dense trees on landside slope and toe.

LM Start	<b>0.38</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_10\_20170314\_00007.jpg



Looking west at dense trees on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.53	Rating **	M	Issue No.	37
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.420791 °	38.421194 °
				-121.527553 °	-121.527852 °
DWR ID	DWR_RD0999_04_s_2015_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	A/W	Issue No.	21
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.421394 °	38.421394 °
				-121.527963 °	-121.527963 °
DWR ID	DWR_RD0999_04_f_2013_21				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dead tree on landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_21\_20170314\_00018.jpg



Looking southwest at dead tree at landward toe.

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_21\_20170314\_00019.jpg



Looking west at dead tree at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.63	Rating **	N	Issue No.	19
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.421997 °	38.421997 °
				-121.528470 °	-121.528470 °
DWR ID	DWR_RD0999_04_s_2012_19				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	M	Issue No.	44
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422356 °	38.422356 °
				-121.528681 °	-121.528681 °
DWR ID	DWR_RD0999_04_f_2016_44				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.66	Rating **	N	Issue No.	18
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422377 °	38.422377 °
				-121.528792 °	-121.528792 °
DWR ID	DWR_RD0999_04_s_2012_18				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.75	Rating **	N	Issue No.	17
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.423560 °	38.423560 °
				-121.529653 °	-121.529653 °
DWR ID	DWR_RD0999_04_s_2012_17				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	N	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424432 °	38.424432 °
				-121.530265 °	-121.530265 °
DWR ID	DWR_RD0999_04_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.84	Rating **	N	Issue No.	9
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424722 °	38.424722 °
				-121.530470 °	-121.530470 °
DWR ID	DWR_RD0999_04_s_2012_9				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.99	Rating **	M	Issue No.	39
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.426644 °	38.426644 °
				-121.531675 °	-121.531675 °
DWR ID	DWR_RD0999_04_f_2015_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.01	Rating **	U	Issue No.	16
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.426873 °	38.427295 °
				-121.531778 °	-121.532164 °
DWR ID	DWR_RD0999_04_f_2012_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries blocking view of landward toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00013.jpg



Looking southwest at dense vegetation on landward slope and toe.  
(Spring 2016)

LM Start	<b>1.01</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00014.jpg



Looking northwest at dense vines at landward toe. Fall 2015

LM Start	<b>1.01</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00015.jpg



Looking southwest at dense berry vines at landward toe. 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.01	Rating **	U	Issue No.	16 (cont)	
LM End	1.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.426873 °		38.427295 °
				-121.531778 °		-121.532164 °
DWR ID	DWR_RD0999_04_f_2012_16					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Blackberries blocking view of landward toe.						

Photo 4 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00016.jpg



Looking south at dense berryvines on landside toe. 2012

LM Start	1.10	Rating **	U	Issue No.	47
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.428152 °	38.428152 °
				-121.532502 °	-121.532502 °
DWR ID	DWR_RD0999_04_s_2017_47				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Small erosion just above rip rap on waterward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_47\_20170324\_00076.jpg



Looking downstream at erosion just above rock.

LM Start	<b>1.10</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_47\_20170324\_00077.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.10	Rating **	M	Issue No.	48
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.428152 °	38.428152 °
				-121.532502 °	-121.532502 °
DWR ID	DWR_RD0999_04_s_2017_48				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Runoff erosion on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_48\_20170324\_00078.jpg



Looking west at runoff erosion on waterward slope.

LM Start	1.15	Rating **	U	Issue No.	5
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.428823 °	38.428823 °
				-121.532885 °	-121.532885 °
DWR ID	DWR_RD0999_04_s_2012_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and wild roses on landside toe.					

Photo 1 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00002.jpg



Looking at dense vines at landward toe. Fall 2015.

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00003.jpg



Looking north at dense vegetation on landside slope near ramp.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.15	Rating **	U	Issue No.	5 (cont)	
LM End	1.15	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.428823 °		38.428823 °
				-121.532885 °		-121.532885 °
DWR ID	DWR_RD0999_04_s_2012_5					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berry vines and wild roses on landside toe.						

Photo 3 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00004.jpg



Looking northwest at dense wild roses and berry vines on landside toe near ramp.

LM Start	1.16	Rating **	U	Issue No.	40
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.428877 °	38.428877 °
				-121.532922 °	-121.532922 °
DWR ID	DWR_RD0999_04_f_2015_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Large hole and erosion on landward shoulder, slope and toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00027.jpg



Looking east at erosion on landward shoulder and slope. (Spring 2016)

LM Start	<b>1.16</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00028.jpg



Looking east at erosion on landward shoulder.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.	40 (cont)	
LM End	1.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.428877 °	38.428877 °	
				-121.532922 °	-121.532922 °	
DWR ID	DWR_RD0999_04_f_2015_40					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Large hole and erosion on landward shoulder, slope and toe.						

Photo 3 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00029.jpg



Looking west at caving at landward slope and toe.

LM Start	<b>1.16</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00030.jpg



Looking southwest at shoulder erosion and caving at landward slope and toe.

LM Start	1.18	Rating **	U	Issue No.	46
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.429201 °	38.429201 °
				-121.533012 °	-121.533012 °
DWR ID	DWR_RD0999_04_s_2016_46				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion located just below asphalt on waterward shoulder.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_46\_20170314\_00031.jpg



Looking west at foot erosion on waterward shoulder and slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.18	Rating **	U	Issue No.	46 (cont)
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.429201 °	38.429201 °
				-121.533012 °	-121.533012 °
DWR ID	DWR_RD0999_04_s_2016_46				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion located just below asphalt on waterward shoulder.					

Photo 2 of 2 : SP\_2017\_RD0999\_235\_46\_20170314\_00032.jpg



Looking south at foot erosion on waterward shoulder and slope.

LM Start	1.20	Rating **	M	Issue No.	22
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.429467 °	38.429750 °
				-121.533110 °	-121.533188 °
DWR ID	DWR_RD0999_04_f_2013_22				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_22\_20170314\_00020.jpg



Looking south at dense trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	163
LM End	9.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332663 °	38.414112 °
				-121.584533 °	-121.523295 °
DWR ID	DWR_RD0999_05_s _ 2017_163				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	164
LM End	9.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332663 °	38.414112 °
				-121.584533 °	-121.523295 °
DWR ID	DWR_RD0999_05_s _ 2017_164				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.10	Rating **	A/W	Issue No.	72
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334093 °	38.334093 °
				-121.584339 °	-121.584339 °
DWR ID	DWR_RD0999_05_f_2013_72				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove small oak trees from landward slope before trees are established.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_72\_20170314\_00060.jpg



Looking west at small oak trees on landward slope.

LM Start	0.11	Rating **	U	Issue No.	165
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334198 °	38.334327 °
				-121.584308 °	-121.584275 °
DWR ID	DWR_RD0999_05_s_2017_165				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Crack greater than two inches along top of half of waterward slope. Three dead trees along slope damage section. Trees should be removed.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00232.jpg



Looking at two inch plus crack on waterward shoulder.

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>165 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00233.jpg



Looking upstream at cracking along waterward shoulder.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.11	Rating **	U	Issue No.	165 (cont)	
LM End	0.12	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.334198 °		38.334327 °
				-121.584308 °		-121.584275 °
DWR ID	DWR_RD0999_05_s_2017_165					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Crack greater than two inches along top of half of waterward slope. Three dead trees along slope damage section. Trees should be removed.						

Photo 3 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00234.jpg



Looking downstream at crack along waterward shoulder.

LM Start	0.16	Rating **	A/W	Issue No.	179
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334880 °	38.335881 °
				-121.584079 °	-121.583598 °
DWR ID	DWR_RD0999_05_s_2015_179				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.25	Rating **	C	Issue No.	1
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.336113 °	38.336663 °
				-121.583418 °	-121.583027 °
DWR ID	DWR_RD0999_05_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.37	Rating **	M	Issue No.	3
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.337697 °	38.337963 °
				-121.582420 °	-121.582352 °
DWR ID	DWR_RD0999_05_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.37	Rating **	U	Issue No.	53
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.337753 °	38.337753 °
				-121.582445 °	-121.582445 °
DWR ID	DWR_RD0999_05_s_2012_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_53\_20170314\_00047.jpg



Looking west at dense vegetation on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.40	Rating **	U	Issue No.	25
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.338075 °	38.338688 °
				-121.582322 °	-121.582193 °
DWR ID	DWR_RD0999_05_s_2012_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows within vegetation area.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_25\_20170314\_00024.jpg



Looking southwest at dense vegetation (willows) on landward slope.

LM Start	0.44	Rating **	C	Issue No.	26
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.338647 °	38.338868 °
				-121.582217 °	-121.582163 °
DWR ID	DWR_RD0999_05_s_2012_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	A/W	Issue No.	135
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.339510 °	38.339510 °
				-121.582081 °	-121.582081 °
DWR ID	DWR_RD0999_05_f_2013_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.54	Rating **	M	Issue No.	27
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340124 °	38.340560 °
				-121.582039 °	-121.581905 °
DWR ID	DWR_RD0999_05_s_2012_27				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	U	Issue No.	189
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342032 °	38.342032 °
				-121.581372 °	-121.581372 °
DWR ID	DWR_RD0999_05_f_2014_189				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense wild grapevines on landward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_189\_20170314\_00129.jpg



Looking southwest at dense vegetation on landward slope and toe. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.68	Rating **	U	Issue No.	189 (cont)	
LM End	0.68	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.342032 °	38.342032 °	
				-121.581372 °	-121.581372 °	
DWR ID	DWR_RD0999_05_f_2014_189					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dense wild grapevines on landward slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_189\_20170314\_00130.jpg



Looking northwest at dense vegetation on landward slope. (Spring 2016)

LM Start	0.69	Rating **	M	Issue No.	9
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.342180 °	38.342537 °
				-121.581230 °	-121.581263 °
DWR ID	DWR_RD0999_05_s_2012_9				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.71	Rating **	U	Issue No.	166
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.342483 °	38.342483 °
				-121.581235 °	-121.581235 °
DWR ID	DWR_RD0999_05_s_2017_166				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree fallen on waterward slope. Left hole on waterward slope 10 to 12 inches.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00236.jpg



Looking at hole left by fallen tree on waterward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.71	Rating **	U	Issue No.	166 (cont)	
LM End	0.71	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.342483 °	38.342483 °	
				-121.581235 °	-121.581235 °	
DWR ID	DWR_RD0999_05_s_2017_166					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Dead tree fallen on waterward slope. Left hole on waterward slope 10 to 12 inches.						

Photo 2 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00235.jpg



Looking east at fallen tree on waterward slope.

LM Start	<b>0.71</b>	Rating **	U	Issue No.	<b>166 (cont)</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00237.jpg



Looking downstream at fallen tree on waterward slope.

LM Start	0.75	Rating **	M	Issue No.	10
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343058 °	38.345210 °
				-121.581263 °	-121.580713 °
DWR ID	DWR_RD0999_05_s_2012_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.78	Rating **	M	Issue No.	128
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343495 °	38.343495 °
				-121.581282 °	-121.581282 °
DWR ID	DWR_RD0999_05_s_2012_128				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_128\_20170314\_00085.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>128 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_128\_20170314\_00086.jpg



Looking at dense trees on landside slope and toe.

LM Start	0.93	Rating **	M	Issue No.	197
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.345564 °	38.345844 °
				-121.580614 °	-121.580458 °
DWR ID	DWR_RD0999_05_f_2014_197				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.00	Rating **	M	Issue No.	180
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.346477 °	38.346864 °
				-121.580086 °	-121.579864 °
DWR ID	DWR_RD0999_05_s_2015_180				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.04	Rating **	M	Issue No.	146
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347067 °	38.347331 °
				-121.579735 °	-121.579582 °
DWR ID	DWR_RD0999_05_f_2013_146				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.07	Rating **	U	Issue No.	14
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347427 °	38.347863 °
				-121.579395 °	-121.579113 °
DWR ID	DWR_RD0999_05_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_14\_20170314\_00015.jpg



Looking west at untrimmed trees on landward slope and toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.15	Rating **	U	Issue No.	15
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348237 °	38.348328 °
				-121.578440 °	-121.577735 °
DWR ID	DWR_RD0999_05_s_2012_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_15\_20170314\_00016.jpg



Looking north at untrimmed trees on landward slope and toe.

LM Start	1.19	Rating **	U	Issue No.	147
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348329 °	38.348329 °
				-121.577740 °	-121.577740 °
DWR ID	DWR_RD0999_05_f_2013_147				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_147\_20170314\_00097.jpg



Looking northwest at untrimmed trees on landward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	36
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348252 °	38.348252 °
				-121.575704 °	-121.575704 °
DWR ID	DWR_RD0999_05_s_2012_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	198
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348133 °	38.348133 °
				-121.574319 °	-121.574319 °
DWR ID	DWR_RD0999_05_f_2014_198				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	M	Issue No.	129
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348100 °	38.348100 °
				-121.574075 °	-121.574075 °
DWR ID	DWR_RD0999_05_s_2012_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and century plants on landside toe and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_129\_20170314\_00087.jpg



Looking southwest at berry vines on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	129 (cont)	
LM End	1.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.348100 °		38.348100 °
				-121.574075 °		-121.574075 °
DWR ID	DWR_RD0999_05_s _ 2012_129					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berry vines and century plants on landside toe and slope.						

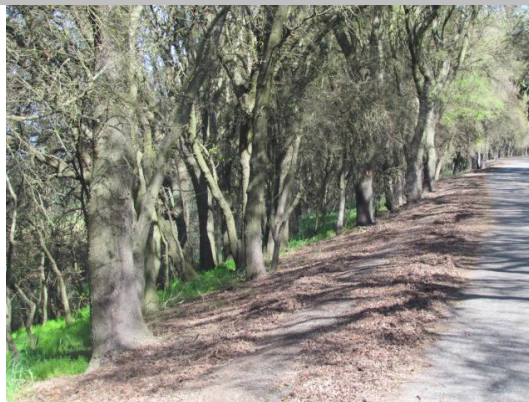
Photo 2 of 2 : SP\_2017\_RD0999\_236\_129\_20170314\_00088.jpg



Looking west at century plants on landward slope.

LM Start	1.46	Rating **	U	Issue No.	18
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348670 °	38.353852 °
				-121.573320 °	-121.573570 °
DWR ID	DWR_RD0999_05_s _ 2012_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_18\_20170314\_00020.jpg



Looking east at dense trees on landward slope.

LM Start	1.50	Rating **	A/W	Issue No.	19
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.349152 °	38.349582 °
				-121.573493 °	-121.573538 °
DWR ID	DWR_RD0999_05_s _ 2012_19				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.55	Rating **	A/W	Issue No.	20
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.349835 °	38.350717 °
				-121.573643 °	-121.573887 °
DWR ID	DWR_RD0999_05_s_2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.69	Rating **	U	Issue No.	199
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.351957 °	38.351957 °
				-121.574096 °	-121.574096 °
DWR ID	DWR_RD0999_05_f _ 2014_199				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_199\_20170314\_00138.jpg



Looking northwest at dense vegetation on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.70	Rating **	M	Issue No.	21
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.352088 °	38.352968 °
				-121.574052 °	-121.574008 °
DWR ID	DWR_RD0999_05_s _ 2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.14	Rating **	M	Issue No.	24
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.355402 °	38.355282 °
				-121.568893 °	-121.568547 °
DWR ID	DWR_RD0999_05_s _ 2012_24				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_24\_20170314\_00023.jpg



Looking west at dense trees on landward slope. (Spring 2015)

LM Start	2.28	Rating **	M	Issue No.	40
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354474 °	38.354555 °
				-121.566701 °	-121.566191 °
DWR ID	DWR_RD0999_05_s _ 2012_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	2.36	Rating **	M	Issue No.	42
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354916 °	38.355982 °
				-121.565167 °	-121.563561 °
DWR ID	DWR_RD0999_05_s_2012_42				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.51	Rating **	M	Issue No.	82
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356270 °	38.358132 °
				-121.563218 °	-121.562347 °
DWR ID	DWR_RD0999_05_s_2012_82				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_82\_20170314\_00066.jpg



Looking northwest at dense trees on landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	2.70	Rating **	A/W	Issue No.	73
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.358888 °	38.358888 °
				-121.562280 °	-121.562280 °
DWR ID	DWR_RD0999_05_s _ 2012_73				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	M	Issue No.	29
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.361268 °	38.364373 °
				-121.563263 °	-121.561947 °
DWR ID	DWR_RD0999_05_s _ 2012_29				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.93	Rating **	M	Issue No.	168
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.362083 °	38.362083 °
				-121.563365 °	-121.563365 °
DWR ID	DWR_RD0999_05_s _ 2017_168				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterward slope and shoulder.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.22	Rating **	M	Issue No.	191
LM End	3.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.364698 °	38.366911 °
				-121.560158 °	-121.556784 °
DWR ID	DWR_RD0999_05_s _ 2014_191				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	3.22	Rating **	A/W	Issue No.	33
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364552 °	38.364225 °
				-121.560137 °	-121.558852 °
DWR ID	DWR_RD0999_05_s _ 2012_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.39	Rating **	U	Issue No.	213
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363906 °	38.363906 °
				-121.557220 °	-121.557220 °
DWR ID	DWR_RD0999_05_s_2016_213				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

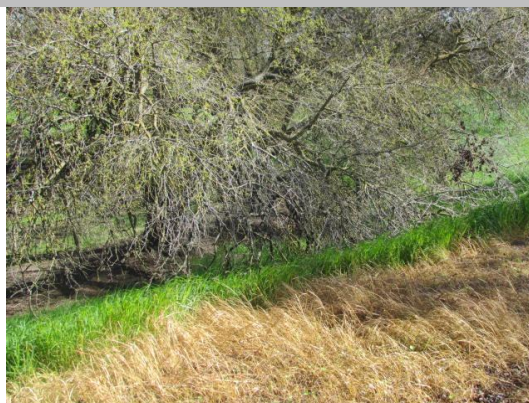
Photo 1 of 2 : SP\_2017\_RD0999\_236\_213\_20170314\_00150.jpg



Looking northwest at untrimmed trees on landward toe. (Fall 2016)

LM Start	<b>3.39</b>	Rating **	U	Issue No.	<b>213 (cont)</b>
LM End	<b>3.39</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_213\_20170314\_00151.jpg



Looking northwest at untrimmed trees at landward toe. (Spring 2016)

LM Start	3.44	Rating **	A/W	Issue No.	34
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364113 °	38.364542 °
				-121.556507 °	-121.556402 °
DWR ID	DWR_RD0999_05_s_2012_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

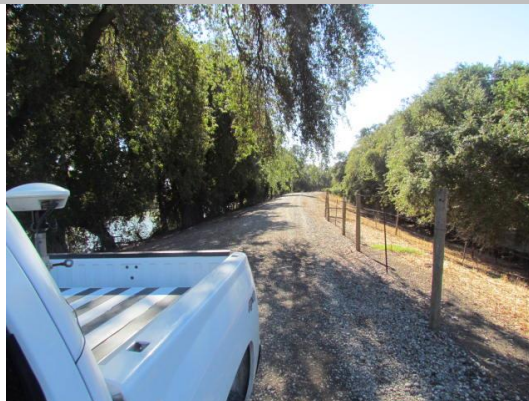
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.56	Rating **	M	Issue No.	173
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.365882 °	38.365882 °
				-121.556762 °	-121.556762 °
DWR ID	DWR_RD0999_05_f_2015_173				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_173\_20170314\_00116.jpg



Looking at the tree overhanging the levee crown.

LM Start	3.58	Rating **	M	Issue No.	201
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.366103 °	38.367035 °
				-121.556820 °	-121.556781 °
DWR ID	DWR_RD0999_05_f_2014_201				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Landowner has planted oak trees and installed sprinklers on landward slope. Oak trees should be removed.					

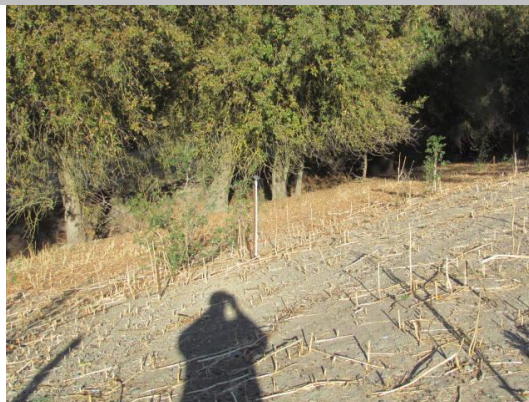
Photo 1 of 2 : SP\_2017\_RD0999\_236\_201\_20170314\_00140.jpg



Looking northwest at several small oak trees planted along landward slope.

LM Start	<b>3.58</b>	Rating **	M	Issue No.	<b>201 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_201\_20170314\_00141.jpg



Looking west at several small oak trees planted on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.366958 °	38.366958 °
				-121.556822 °	-121.556822 °
DWR ID	DWR_RD0999_05_s_2012_16				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment stored at landward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_16\_20170314\_00017.jpg



Looking northwest at equipment on landside toe.

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_16\_20170314\_00018.jpg



Looking west at equipment at landside toe.

LM Start	3.80	Rating **	M	Issue No.	174
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.368207 °	38.368207 °
				-121.554360 °	-121.554360 °
DWR ID	DWR_RD0999_05_f_2015_174				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree branch and limbs on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_174\_20170314\_00117.jpg



Looking at downed tree branch on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.93	Rating **	M	Issue No.	210
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.368749 °	38.368749 °
				-121.552463 °	-121.552463 °
DWR ID	DWR_RD0999_05_f_2016_210				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	3.94	Rating **	U	Issue No.	175
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.368928 °	38.368928 °
				-121.552473 °	-121.552473 °
DWR ID	DWR_RD0999_05_f_2015_175				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin or remove young tree from landward shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_175\_20170314\_00118.jpg



Looking west at untrimmed trees along fenceline on landward slope.  
(Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.94	Rating **	U	Issue No.	175 (cont)	
LM End	3.94	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			38.368928 °	38.368928 °	
				-121.552473 °	-121.552473 °	
DWR ID	DWR_RD0999_05_f_2015_175					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Thin or remove young tree from landward shoulder and slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_175\_20170314\_00119.jpg



Looking at young trees on waterward shoulder and slope. (Spring 2016)

LM Start	3.98	Rating **	U	Issue No.	41
LM End	4.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.369440 °	38.370398 °
				-121.552747 °	-121.553373 °
DWR ID	DWR_RD0999_05_s_2012_41				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Control oak saplings on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_41\_20170314\_00034.jpg



Looking northeast at untrimmed trees on waterward slope.

LM Start	4.25	Rating **	U	Issue No.	12
LM End	4.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.372872 °	38.372872 °
				-121.552185 °	-121.552185 °
DWR ID	DWR_RD0999_05_s_2017_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large slough on waterward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_12\_20170324\_00242.jpg



Looking downstream at finger erosion on downstream side of slough.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.25	Rating **	U	Issue No.	12 (cont)	
LM End	4.25	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.372872 °		38.372872 °
				-121.552185 °		-121.552185 °
DWR ID	DWR_RD0999_05_s_2017_12					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Large slough on waterward slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_12\_20170324\_00243.jpg



LM Start	4.35	Rating **	C	Issue No.	45
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374160 °	38.374410 °
				-121.551408 °	-121.551157 °
DWR ID	DWR_RD0999_05_s_2012_45				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.42	Rating **	A/W	Issue No.	57
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374866 °	38.375061 °
				-121.550491 °	-121.549800 °
DWR ID	DWR_RD0999_05_s_2012_57				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_57\_20170314\_00050.jpg



Looking northwest at dense trees on landward slope. (Spring 2015)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.45	Rating **	A/W	Issue No.	130
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375034 °	38.375034 °
				-121.549892 °	-121.549892 °
DWR ID	DWR_RD0999_05_f_2013_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.47	Rating **	A/W	Issue No.	47
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375072 °	38.375057 °
				-121.549547 °	-121.548357 °
DWR ID	DWR_RD0999_05_s_2012_47				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.50	Rating **	A/W	Issue No.	58
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375099 °	38.375211 °
				-121.549068 °	-121.547158 °
DWR ID	DWR_RD0999_05_s_2012_58				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.51	Rating **	A/W	Issue No.	38
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375055 °	38.375313 °
				-121.548792 °	-121.546438 °
DWR ID	DWR_RD0999_05_s_2012_38				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00029.jpg



Looking northwest at dense trees on landside slope. (Spring 2011)

LM Start	<b>4.51</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00030.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.51	Rating **	A/W	Issue No.	38 (cont)	
LM End	4.64	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.375055 °		38.375313 °
				-121.548792 °		-121.546438 °
DWR ID	DWR_RD0999_05_s_2012_38					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						

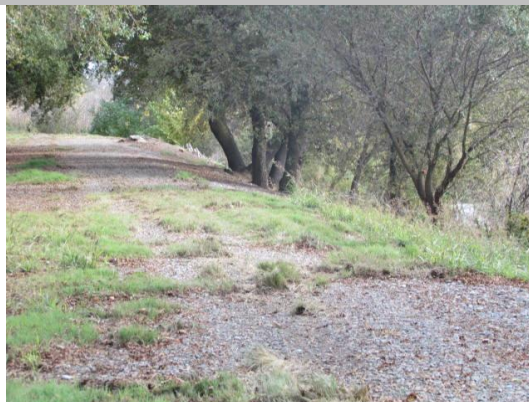
Photo 3 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00031.jpg



Looking west at dense trees on landside slope. (Spring 2011)

LM Start	4.51	Rating **	M	Issue No.	32
LM End	4.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.375084 °	38.377176 °
				-121.548750 °	-121.543571 °
DWR ID	DWR_RD0999_05_f_2012_32				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_32\_20170314\_00028.jpg



Looking north at vegetation on levee crown.

LM Start	4.51	Rating **	A/W	Issue No.	49
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.375050 °	38.375077 °
				-121.548717 °	-121.547512 °
DWR ID	DWR_RD0999_05_s_2012_49				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.65	Rating **	N	Issue No.	62
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375360 °	38.375360 °
				-121.546291 °	-121.546291 °
DWR ID	DWR_RD0999_05_s _ 2012_62				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.65	Rating **	C	Issue No.	50
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375373 °	38.375373 °
				-121.546200 °	-121.546200 °
DWR ID	DWR_RD0999_05_s _ 2012_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Old tree limbs on landward shoulder blocking access.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.67	Rating **	A/W	Issue No.	52
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375478 °	38.375478 °
				-121.545852 °	-121.545852 °
DWR ID	DWR_RD0999_05_s_2012_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_52\_20170314\_00046.jpg



Looking west at untrimmed trees on landward toe. (Spring 2015)

LM Start	4.69	Rating **	A/W	Issue No.	63
LM End	4.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375566 °	38.375775 °
				-121.545676 °	-121.545255 °
DWR ID	DWR_RD0999_05_s_2012_63				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.71	Rating **	C	Issue No.	61
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.375769 °	38.376074 °
				-121.545258 °	-121.544799 °
DWR ID	DWR_RD0999_05_f_2012_61				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landside toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.76	Rating **	C	Issue No.	154
LM End	4.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.376257 °	38.376257 °
				-121.544578 °	-121.544578 °
DWR ID	DWR_RD0999_05_f_2013_154				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Levee damaged by vehicle traffic.					

No Photos

LM Start	4.78	Rating **	C	Issue No.	64
LM End	4.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.376432 °	38.376432 °
				-121.544382 °	-121.544382 °
DWR ID	DWR_RD0999_05_s_2012_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.81	Rating **	C	Issue No.	54
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.376717 °	38.376717 °
				-121.544017 °	-121.544017 °
DWR ID	DWR_RD0999_05_s _ 2012_54				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.07	Rating **	A/W	Issue No.	65
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379711 °	38.379711 °
				-121.541070 °	-121.541070 °
DWR ID	DWR_RD0999_05_s _ 2012_65				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and garbage pile on landside shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_65\_20170314\_00052.jpg



Looking south at prunings and garbage on landward shoulder and slope.  
(Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.07	Rating **	A/W	Issue No.	65 (cont)	
LM End	5.07	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.379711 °		38.379711 °
				-121.541070 °		-121.541070 °
DWR ID	DWR_RD0999_05_s_2012_65					
Comment Code						
PR : Prunings						
Inspector Comment						
Prunings and garbage pile on landside shoulder and slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_65\_20170314\_00053.jpg



Looking east at garbage and prunings on landward shoulder. (Spring 2016)

LM Start	5.12	Rating **	U	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.380420 °	38.380420 °
				-121.541102 °	-121.541102 °
DWR ID	DWR_RD0999_05_f_2015_176				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large hole on waterward shoulder caused by fallen tree.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00120.jpg



Looking at hole from falling tree on waterward shoulder. (Fall 2016)

LM Start	<b>5.12</b>	Rating **	U	Issue No.	<b>176 (cont)</b>
LM End	<b>5.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00121.jpg



Looking at hole on waterward shoulder caused by fallen tree.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.12	Rating **	U	Issue No.	176 (cont)	
LM End	5.12	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.380420 °		38.380420 °
				-121.541102 °		-121.541102 °
DWR ID	DWR_RD0999_05_f_2015_176					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Large hole on waterward shoulder caused by fallen tree.						

Photo 3 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00122.jpg



Looking at fallen tree and hole on waterward slope and shoulder.

LM Start	5.41	Rating **	M	Issue No.	215
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381763 °	38.381763 °
				-121.545904 °	-121.545904 °
DWR ID	DWR_RD0999_05_s_2016_215				
Comment Code					
MA : Material					
Inspector Comment					
Concrete piled on waterward shoulder and slope					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_215\_20170314\_00153.jpg



Looking southeast at concrete rubble piled on waterward shoulder.

LM Start	5.47	Rating **	U	Issue No.	67
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382454 °	38.383141 °
				-121.546579 °	-121.546870 °
DWR ID	DWR_RD0999_05_s_2012_67				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_67\_20170314\_00056.jpg



Looking north at dense vegetation on landward shoulder and slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.48	Rating **	M	Issue No.	68
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382553 °	38.382553 °
				-121.546651 °	-121.546651 °
DWR ID	DWR_RD0999_05_s_2012_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_68\_20170314\_00057.jpg



Looking northeast at untrimmed trees on landward slope. (Spring 2015)

LM Start	5.49	Rating **	M	Issue No.	70
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382698 °	38.382698 °
				-121.546711 °	-121.546711 °
DWR ID	DWR_RD0999_05_s_2012_70				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_70\_20170314\_00058.jpg



Looking southwest at untrimmed tree on waterside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.50	Rating **	U	Issue No.	71
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382790 °	38.383548 °
				-121.546754 °	-121.546728 °
DWR ID	DWR_RD0999_05_s_2012_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_71\_20170314\_00059.jpg



Looking northeast at dense vegetation on waterside slope.

LM Start	5.56	Rating **	A/W	Issue No.	203
LM End	5.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383740 °	38.384218 °
				-121.546628 °	-121.546095 °
DWR ID	DWR_RD0999_05_f_2014_203				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_203\_20170314\_00143.jpg



Looking at untrimmed trees on landward slope and toe.

LM Start	5.58	Rating **	M	Issue No.	182
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383911 °	38.383911 °
				-121.546516 °	-121.546516 °
DWR ID	DWR_RD0999_05_s_2015_182				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.58	Rating **	A/W	Issue No.	192
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383978 °	38.383978 °
				-121.546435 °	-121.546435 °
DWR ID	DWR_RD0999_05_s_2014_192				
Comment Code					
PR : Prunings					
Inspector Comment					
Landowner pile prunings on landside slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_192\_20170314\_00132.jpg



Looking west at prunings on landward slope and toe.

LM Start	5.80	Rating **	A/W	Issue No.	48
LM End	5.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384718 °	38.384930 °
				-121.542590 °	-121.541883 °
DWR ID	DWR_RD0999_05_s_2012_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_48\_20170314\_00042.jpg



Looking west at dense vegetation on landward slope and toe. Fall 2015

LM Start	<b>5.80</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>5.84</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_48\_20170314\_00043.jpg



Looking east at dense vegetation on landward slope. (Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.84	Rating **	A/W	Issue No.	59
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.384867 °	38.384867 °
				-121.541845 °	-121.541845 °
DWR ID	DWR_RD0999_05_s _ 2012_59				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.89	Rating **	M	Issue No.	217
LM End	7.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.385307 °	38.404057 °
				-121.541157 °	-121.541789 °
DWR ID	DWR_RD0999_05_s _ 2016_217				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.93	Rating **	C	Issue No.	39
LM End	5.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.385729 °	38.385729 °
				-121.540863 °	-121.540863 °
DWR ID	DWR_RD0999_05_s_2013_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large downed trees and vegetation blocking landward toe.					

No Photos

LM Start	6.13	Rating **	M	Issue No.	60
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.388225 °	38.388225 °
				-121.542697 °	-121.542697 °
DWR ID	DWR_RD0999_05_s_2012_60				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_60\_20170314\_00051.jpg



Looking north at dense trees on landward slope. (Spring 2015)

LM Start	6.19	Rating **	M	Issue No.	225
LM End	6.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.389015 °	38.389015 °
				-121.543003 °	-121.543003 °
DWR ID	DWR_RD0999_05_s_2017_225				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken limb on landward slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.22	Rating **	A/W	Issue No.	183
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389392 °	38.389392 °
				-121.542958 °	-121.542958 °
DWR ID	DWR_RD0999_05_s _ 2015_183				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	6.34	Rating **	C	Issue No.	75
LM End	6.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.390541 °	38.391396 °
				-121.541360 °	-121.540038 °
DWR ID	DWR_RD0999_05_s _ 2012_75				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.43	Rating **	U	Issue No.	92
LM End	6.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.391355 °	38.391776 °
				-121.540113 °	-121.539295 °
DWR ID	DWR_RD0999_05_s_2012_92				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning piles and fallen tree on waterward and landward shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_92\_20170324\_00248.jpg



Looking east at fallen tree and pruning on landward and waterward shoulder and slope.

LM Start	<b>6.43</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>6.48</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_92\_20170324\_00249.jpg



Looking east at tree branches and limbs on waterward and landward shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.44	Rating **	U	Issue No.	181
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.391502 °	38.391502 °
				-121.539897 °	-121.539897 °
DWR ID	DWR_RD0999_05_f_2015_181				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees on landward slope and toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_181\_20170314\_00124.jpg



Looking northwest at untrimmed trees on landward slope and toe.

LM Start	6.55	Rating **	M	Issue No.	115
LM End	6.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.392658 °	38.392658 °
				-121.539007 °	-121.539007 °
DWR ID	DWR_RD0999_05_s_2017_115				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.60	Rating **	C	Issue No.	219
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393356 °	38.393356 °
				-121.539213 °	-121.539213 °
DWR ID	DWR_RD0999_05_s_2016_219				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree branch and limbs on landward slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.78	Rating **	M	Issue No.	186
LM End	6.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.395890 °	38.395890 °
				-121.538917 °	-121.538917 °
DWR ID	DWR_RD0999_05_f_2015_186				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.85	Rating **	U	Issue No.	204
LM End	7.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396379 °	38.403600 °
				-121.537814 °	-121.540311 °
DWR ID	DWR_RD0999_05_f _ 2014_204				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees at landward toe blocking visibility.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_204\_20170314\_00144.jpg



Looking northwest at dense trees at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.95	Rating **	A/W	Issue No.	142
LM End	6.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396958 °	38.396958 °
				-121.536148 °	-121.536148 °
DWR ID	DWR_RD0999_05_s _ 2013_142				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landward shoulder and slope.					

No Photos

LM Start	7.15	Rating **	M	Issue No.	184
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399761 °	38.399761 °
				-121.536565 °	-121.536565 °
DWR ID	DWR_RD0999_05_s _ 2015_184				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.14	Rating **	A/W	Issue No.	117
LM End	8.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409855 °	38.409855 °
				-121.539382 °	-121.539382 °
DWR ID	DWR_RD0999_05_s _ 2012_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.14	Rating **	M	Issue No.	205
LM End	8.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409876 °	38.409876 °
				-121.539348 °	-121.539348 °
DWR ID	DWR_RD0999_05_f _ 2014_205				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.15	Rating **	M	Issue No.	220
LM End	8.42	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.409892 °	38.408612 °
				-121.539225 °	-121.534570 °
DWR ID	DWR_RD0999_05_s _ 2016_220				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.22	Rating **	U	Issue No.	206
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409679 °	38.409679 °
				-121.537920 °	-121.537920 °
DWR ID	DWR_RD0999_05_f_2014_206				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_206\_20170314\_00145.jpg



Looking west at untrimmed trees on landward toe.

LM Start	8.22	Rating **	U	Issue No.	118
LM End	8.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409665 °	38.409665 °
				-121.537898 °	-121.537898 °
DWR ID	DWR_RD0999_05_s_2012_118				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_118\_20170314\_00082.jpg



Looking northeast at untrimmed trees on watward slope.

LM Start	8.24	Rating **	C	Issue No.	119
LM End	8.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409580 °	38.409580 °
				-121.537587 °	-121.537587 °
DWR ID	DWR_RD0999_05_s_2012_119				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.26	Rating **	A/W	Issue No.	120
LM End	8.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409467 °	38.409145 °
				-121.537157 °	-121.536390 °
DWR ID	DWR_RD0999_05_s _ 2012_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.27	Rating **	A/W	Issue No.	69
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.409445 °	38.413717 °
				-121.536980 °	-121.523813 °
DWR ID	DWR_RD0999_05_s _ 2012_69				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.29	Rating **	U	Issue No.	194
LM End	8.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409319 °	38.409319 °
				-121.536678 °	-121.536678 °
DWR ID	DWR_RD0999_05_s_2014_194				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees blocking view of landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_194\_20170314\_00134.jpg



Looking southeast at untrimmed trees on landward slope.

LM Start	8.53	Rating **	C	Issue No.	122
LM End	8.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409700 °	38.409700 °
				-121.533217 °	-121.533217 °
DWR ID	DWR_RD0999_05_s_2012_122				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	8.61	Rating **	M	Issue No.	123
LM End	8.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410434 °	38.410434 °
				-121.532050 °	-121.532050 °
DWR ID	DWR_RD0999_05_s_2012_123				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.63	Rating **	A/W	Issue No.	208
LM End	8.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410650 °	38.410650 °
				-121.531635 °	-121.531635 °
DWR ID	DWR_RD0999_05_f_2014_208				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.64	Rating **	M	Issue No.	223
LM End	8.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410696 °	38.411560 °
				-121.531584 °	-121.530479 °
DWR ID	DWR_RD0999_05_f_2016_223				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Control growth on levee crown					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_223\_20170314\_00161.jpg



Looking east at overgrowth on levee crown.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.75	Rating **	A/W	Issue No.	91
LM End	8.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411567 °	38.411567 °
				-121.529902 °	-121.529902 °
DWR ID	DWR_RD0999_05_s_2012_91				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.78	Rating **	C	Issue No.	108
LM End	8.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412053 °	38.412053 °
				-121.529752 °	-121.529752 °
DWR ID	DWR_RD0999_05_s_2012_108				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	9.00	Rating **	A/W	Issue No.	209
LM End	9.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.415201 °	38.415628 °
				-121.529612 °	-121.529262 °
DWR ID	DWR_RD0999_05_f_2014_209				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.17	Rating **	M	Issue No.	109
LM End	9.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.415495 °	38.415278 °
				-121.527217 °	-121.527005 °
DWR ID	DWR_RD0999_05_s_2012_109				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.25	Rating **	A/W	Issue No.	110
LM End	9.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414550 °	38.413940 °
				-121.526398 °	-121.525902 °
DWR ID	DWR_RD0999_05_s_2012_110				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0999 Netherlands

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.32	Rating **	M	Issue No.	112
LM End	9.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413673 °	38.413412 °
				-121.525558 °	-121.525190 °
DWR ID	DWR_RD0999_05_s _ 2012_112				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	9.39	Rating **	M	Issue No.	114
LM End	9.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413377 °	38.413377 °
				-121.524500 °	-121.524500 °
DWR ID	DWR_RD0999_05_s _ 2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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